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US 20060053975 A1	US- PGPUB	20060316	23	Color-memorizing photochromic writing instrument, color-memorizing photochromic writing instrument set using the same and method for alternately expressing color-memorizing photochromic function of writing image	81/9.2	252/586	Shibahashi; Yutaka et al.
US 20050012081 A1	US- PGPUB	20050120		Photochromic material	252/586		Yasuda, Michiyuki et al.
US 20040178394 A1	US- PGPUB	20040916	30	Photochromic material and color dose meter using the same	252/586		Tanaka, Yuki et al.
US 20040166424 A1	US- PGPUB	20040826		Optical recording material	430/20	369/275.2; 428/64.8; 430/270.15; 430/945	Kaida, Yuriko et al.
US 20040135097 A1	US- PGPUB	20040715		Method for alternately expressing color-memorizing photochromic function in toy element, and an alternately color-memorizing photochromic toy	250/474.1		Shibahashi, Yutaka et al.
US 20040133010 A1	US- PGPUB	20040708		Photo-induced phase transition organic material	548/181	548/312.1; 548/518; 549/472; 549/59	Irie, Masahiro
US 20040049040 A1	US- PGPUB	20040311		Photochromic material	544/333	548/202; 548/215; 548/312.7; 548/518; 549/472; 549/59	Irie, Masahiro
US 20030087580 A1	US- PGPUB	20030508		COLOR MEMORY TOY	446/14		SHIBAHASHI, YUTAKA et al.
US 20030008774 A1	US- PGPUB	20030109		Metallic luster tone thermochromic laminate member	503/201		Yasuda, Michiyuki et al.
US 20020090510 A1	US- PGPUB	20020711		THERMOCHROMIC ACRYLIC SYNTHETIC FIBER, ITS PROCESSED ARTICLE, AND PROCESS FOR PRODUCING THERMOCHROMIC ACRYLIC SYNTHETIC FIBER	428/375	428/365	Ono, Yoshiaki et al.
US	US-	20020321		Near-field optical recording	430/270.15	369/113;	Irie, Masahiro

20020034705 A1	PGPUB			medium and near-field optical recording method		369/275.2; 430/945	et al.
US 20020018044 A1	US- PGPUB	20020214		MAGNETIC DISPLAY DEVICE	345/111		YASUDA, MICHIIYUKI
US 20020007072 A1	US- PGPUB	20020117		Photo-induced phase transition organic material	548/312.7	252/383; 548/314.7; 548/517	Irie, Masahiro
US 6979413 B2	USPAT	20051227		Optical recording material	252/299.61	430/270.14	Kaida; Yuriko et al.
US 6943772 B2	USPAT	20050913		Magnetic display device	345/107	428/323; 434/409	Yasuda; Michiyuki
US 6884553 B2	USPAT	20050426		Near-field optical recording medium and near-field optical recording method	430/19	369/273; 369/275.2; 369/288; 428/64.8; 430/270.15; 430/945	Irie; Masahiro et al.
US 6713431 B2	USPAT	20040330		Metallic luster tone thermochromic laminate member	503/207	503/201; 503/226	Yasuda; Michiyuki et al.
US 6660868 B2	USPAT	20031209		Photo-induced phase transition organic material	548/146	549/41; 549/49; 549/61	Irie; Masahiro
US 6444313 B1	USPAT	20020903		Thermochromic acrylic synthetic fiber, its processed article, and process for producing thermochromic acrylic synthetic fiber	428/372	106/448; 428/402.2; 428/913	Ono; Yoshiaki et al.
US 6048387 A	USPAT	20000411		Reversible thermochromic composition	106/31.21		Shibahashi; Yutaka et al.
US 5928803 A	USPAT	19990727		Temperature-sensitive reversibly deformable laminate	374/101	426/107; 426/126; 428/315.9; 428/317.1; 428/319.7; 428/927	Yasuda; Michiyuki
US 5889751 A	USPAT	19990330		Method for optically controlling an optical device and an optical control device utilizing the method	369/116	369/121	Tsujioka; Tsuyoshi et al.
US 5879438 A	USPAT	19990309		Method for improving light-fastness of reversible thermochromic compositions at the time of color extinguishment	106/31.18	106/31.16; 106/31.17	Fujita; Katsuyuki et al.
US 5873932 A	USPAT	19990223		Method for improving light-fastness of reversible thermochromic compositions at the time of color	106/31.18	106/31.16; 106/31.17	Fujita; Katsuyuki et al.

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US 5858914 A	USPAT	19990112		Thermochromic coloring color-memory footwear	503/201	36/100; 36/98; 503/204; 503/206; 503/208; 503/215; 503/216; 503/217; 503/226	Shibahashi; Yutaka et al.
US 5688592 A	USPAT	19971118		Thermochromic laminate comprising light intercepting pigment and light stabilizer	428/323	428/324; 428/328; 428/403; 428/913; 428/914; 503/200; 503/207; 503/215; 503/216; 503/225	Shibahashi; Yutaka et al.
US 5622812 A	USPAT	19970422		Optical material	430/270.15	430/495.1; 430/962	Tatezono; Fumio et al.
US 5605779 A	USPAT	19970225		Optical memory medium	430/270.15	369/284; 430/945; 430/962	Irie; Masahiro et al.
US 5592461 A	USPAT	19970107		Methods of recording and reproducing information using an optical recording medium	369/126	369/116; 369/275.2; 369/285; 369/288; 428/436; 428/64.4; 428/65.1; 430/945	Tsujioka; Tsuyoshi et al.
US 5558700 A	USPAT	19960924		Reversible thermochromic composition	106/31.15	106/31.19; 106/311; 106/498; 252/301.16; 252/408.1; 252/583; 252/586; 252/600; 252/962	Shibahashi; Yutaka et al.
US 5558699 A	USPAT	19960924		Thermochromic color-memory composition	106/31.16	106/31.58; 106/316; 428/402.2; 428/913; 503/200; 503/201; 503/204; 503/209;	Nakashima; Akio et al.

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US 5468874 A	USPAT	19951121		Benzothiophene/indole-substituted maleimide derivatives, photochromic material comprising said derivatives and optical recording material using the same material	548/454	548/417	Sugai; Fumio et al.
US 5443940 A	USPAT	19950822		Optical recording material and optical recording medium employing the same	430/270.15	252/586; 430/19; 430/945; 430/962; 548/454; 549/49	Tatezono; Fumio et al.
US 5405656 A	USPAT	19950411		Solution for catalytic treatment, method of applying catalyst to substrate and method of forming electrical conductor	427/500	427/301; 427/437; 427/581; 427/595; 427/596	Ishikawa; Futoshi et al.
US 5398223 A	USPAT	19950314		Reproducing method and reproducing apparatus for optical recording medium	369/53.27	369/53.2	Tsujioka; Tsuyoshi et al.
US 5376511 A	USPAT	19941227		Optical recording medium	430/270.15	430/19; 430/945; 430/962	Tatezono; Fumio et al.
US 5352649 A	USPAT	19941004		Thermochromic laminate member, and composition and sheet for producing the same	503/207	101/491; 101/492; 428/324; 428/403; 428/913; 503/200; 503/201; 503/226	Shibahashi; Yutaka et al.
US 5316900 A	USPAT	19940531		Optical recording medium having a constant birefringent property and an alterable photochromic property	430/270.15	346/135.1; 365/121; 369/275.1; 369/284; 430/270.11; 430/945	Tsujioka; Tsuyoshi et al.
US 5294522 A	USPAT	19940315		Photochromic compound	430/345	252/586; 430/19; 430/332; 430/339; 430/343; 430/962; 548/418; 548/427; 549/381; 549/382; 549/388;	Uchida; Manabu et al.

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US 5242491 A	USPAT	19930907		Photo-induced reversible, discontinuous volume changes in gels	106/241	516/102; 522/6; 522/65	Mamada; Akira et al.
US 5085607 A	USPAT	19920204		Toy that stably exhibits different colors with indicator for proper temperature application	446/14	106/31.16; 106/31.33; 428/913; 446/385	Shibahashi; Yutaka et al.
US 5079049 A	USPAT	19920107		Artificial plant that stably exhibits different colors	428/24	428/321.5; 428/913	Kito; Tsutomu et al.
US 5011445 A	USPAT	19910430		Color memory toy set	446/14	401/1; 428/913; 430/913; 434/328; 446/385	Nakasuji; Norikazu et al.
US 4920991 A	USPAT	19900501		Thermochromic artificial nail	132/73	40/448; 428/15; 428/913; 600/549; 63/32; D28/56	Shibahashi; Yutaka et al.
US 4882428 A	USPAT	19891121		Azaporphyrin compounds	540/121		Irie; Masahiro
US 4865648 A	USPAT	19890912		Reversible heat sensitive recording composition	106/31.17	106/31.19; 106/31.22; 427/148; 427/151; 428/402.2; 428/402.24; 430/138; 503/217	Kito; Tsutomu et al.
US 4837063 A	USPAT	19890606		Optical recording material	428/65.1	346/135.1; 369/288; 428/333; 428/334; 428/335; 428/336; 428/413; 428/441; 428/480; 428/515; 428/522;	Irie; Masahiro

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US 4826954 A	USPAT	19890502		Diorganopolysiloxane- azobenzene alternating copolymers and methods for their preparation	528/15	528/21; 528/26; 528/28; 528/31; 528/33; 528/38; 534/726	Suzuki; Toshio et al.
US 4732810 A	USPAT	19880322		Reversible temperature- indicating composition	428/402.2	106/31.17; 106/31.19; 106/31.2; 106/31.22; 116/217; 252/962; 374/162; 503/208	Kito; Tsutomu et al.
US 4720301 A	USPAT	19880119		Reversible heat sensitive recording composition	106/31.17	106/31.19; 106/31.23; 503/213; 503/216; 503/217; 503/219; 503/220; 503/221; 503/222; 503/223; 503/224; 503/225	Kito; Tsutomu et al.
US 4719296 A	USPAT	19880112		Spiroxazine compounds	544/71	544/6	Irie; Masahiro et al.
US 4681791 A	USPAT	19870721		Thermochromic textile material	428/96	428/196; 428/207; 428/372; 428/913; 442/187; 442/308; 442/330	Shibahashi; Yutaka et al.
US 4656245 A	USPAT	19870407		Functional elastomer	528/405	348/902; 525/403; 525/409	Kohjiya; Shinzo et al.
US 4554565 A	USPAT	19851119		Method of producing reversible thermochromic display	503/201	427/152; 428/199; 428/913;	Kito; Tutomu et al.

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US 4425161 A	USPAT	19840110		Thermochromic materials	106/31.17	106/31.19; 106/31.24; 106/31.33; 427/148; 427/150	Shibahashi; Yutaka et al.
US 4421560 A	USPAT	19831220		Thermochromatic materials	106/31.2	106/31.22; 106/31.33; 427/150; 427/151	Kito; Tutomu et al.